



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 May 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for April 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of April 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire
Henry Lopes, Central Wire
Scott Carr, Central Wire
Steve Hughes, Central Wire
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
1 April through 30 April 2007

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. A Groundwater Investigation Report was prepared this reporting period. The groundwater investigation was performed off-site of the Central Wire facility to determine the extent of the groundwater plume. The groundwater investigation included the use of a Geoprobe sampler to collect multiple groundwater samples at off-site properties in order to effectively track the current extent of the groundwater plume. The investigation also included the collection of selected groundwater samples from off-site wells.

The results of the investigation indicated that the contaminants downgradient of the well cluster will follow the predicted flow lines toward the northwest and toward the Central Sod and West Branch Nursery wells. The findings also suggest that the existing extraction wells are capturing the groundwater plume migrating from the Central Wire property and the increase in concentrations at the well clusters may have originally existed 500 feet downgradient of the extraction wells, the stagnation point of the capture zone, and for this reason concentrations at the cluster wells have increased.

2. **Summary of Validated Data and Results** – There was no data collected this reporting period and therefore no validation or tabulation was conducted.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Also this reporting period Central Wire will submit the Groundwater Investigation Report to the U.S EPA.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The **Techalloy Company** has as of the beginning of this year 2007, changed the name of the company to **Central Wire**. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS
 TECHALLOY COMPANY, INC.
 ADDRESS
 OLSON AND JEFFERSON ROADS
 UNION IL 60180
 FACILITY
 TECHALLOY COMPANY, INC.
 LOCATION
 UNION IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
 PERMIT NUMBER

001 0
 DISCHARGE NUMBER

Minor
 02

MONITORING PERIOD
 FROM MO - DAY - YEAR TO MO - DAY - YEAR
 04-01-2007 04-30-2007

TREATED GROUNDWAER
 EFFLUENT

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		8.44	*****	8.44	(12) SU	00	01/30	GR
00400 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****		9.0 MO MAX		ONCE/MONTH	GRAB
NO DATA : CODE DESCRIPTION											
COMMENTS:											
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
34506 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	*****	*****		0.02 DAILY MX		ONCE/MONTH	GRAB
NO DATA : CODE DESCRIPTION											
COMMENTS:											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.864	.864	(03) MGD	*****	*****	*****		00	01/01	CN
50050 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	REPORT MO AVG		REPORT DAILY MX	*****	*****		*****		DAILY	ESTIMA
NO DATA : CODE DESCRIPTION											
COMMENTS:											
TETRACHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78389 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	*****	*****		0.02 DAILY MX		ONCE/MONTH	GRAB
NO DATA : CODE DESCRIPTION											
COMMENTS:											

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	*****	*****				
NO DATA : CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

The analytical results for April are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	05-10-2007
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	MO - DAY - YEAR



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Libertyville, Illinois 60048

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Fax: 847-367-6845

10 April 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for March 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of March 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire
Henry Lopes, Central Wire
Scott Carr, Central Wire
Steve Hughes, Central Wire
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
1 March through 31 March 2007

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. A groundwater investigation was performed off-site of the Central Wire facility to determine the extent of the groundwater plume. The groundwater investigation included the use of a Geoprobe sampler to collect multiple groundwater samples at off-site properties in order to effectively track the current extent of the groundwater plume. The investigation also included the collection of selected groundwater samples from off-site wells. The groundwater samples have been analyzed and a report is currently being prepared. The report will include the results of groundwater modeling and a comparison of the modeling results to the recently collected groundwater data
2. **Summary of Validated Data and Results** – Validation and tabulation of groundwater data has been conducted this month in response to the groundwater investigation.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Central Wire will be preparing a report presenting the results of the groundwater investigation and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The **Techalloy Company** has as of the beginning of this year 2007, changed the name of the company to **Central Wire**. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS
NAME

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408

PERMIT NUMBER

001 0

DISCHARGE NUMBER

Minor

02

MONITORING PERIOD

MO - DAY - YEAR

03-01-2007

MO - DAY - YEAR

03-31-2007

FROM

TO

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		8.20	*****	8.20	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.818	.818	(03) MGD	*****	*****	*****		00	99/99	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for March Sampling are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	04-09-2007
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

12 March 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for February 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of February 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire
Henry Lopes, Central Wire
Scott Carr, Central Wire
Steve Hughes, Central Wire
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
1 February through 28 February 2007

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. Based on the groundwater modeling that was performed, Central Wire planned the groundwater investigation that is scheduled in early March 2007. During this period access to the off-site properties was obtained.
2. **Summary of Validated Data and Results** –No validation or tabulation of groundwater data was needed this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Central Wire will be conducting an investigation of the area downgradient of the three-well cluster to determine the current concentrations and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The Techalloy Company has as of the beginning of this year 2007, changed the name of the company to **Central Wire**. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 02-01-2007 TO 02-28-2007

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.8	*****	7.8	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.823	.823	(03) MGD	*****	*****	*****		00	01/01	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for February are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	03-07-2007
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

9 February 2007

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Site Progress Report for January 2007

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of January 2007. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire
Henry Lopes, Central Wire
Scott Carr, Central Wire
Steve Hughes, Central Wire
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
1 January through 31 January 2007

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction system. Central Wire conducted Bioscreen modeling to evaluate migration distance of the contaminants and the degradation of the contaminants. By evaluating the rate of migration and degradation, Central Wire can assess the distance downgradient the contaminants will migrate and determine if the groundwater will impact the downgradient residential wells. The results of the modeling indicated that the plume would degrade prior to migrating the distance to the residential wells. The modeling also provided information to appropriately locate the boring locations for the investigation to assess the furthest downgradient extent of the plume.

Central Wire also conducted the semiannual groundwater sampling report of all the monitoring wells and selected residential wells (attached).

2. **Summary of Validated Data and Results** – Validation and tabulation of the semiannual groundwater sampling was conducted this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Central Wire will be conducting an investigation of the area downgradient of the three-well cluster to determine the current concentrations and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The **Techalloy Company** has as of the beginning of this year 2007, changed the name of the company to **Central Wire**. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS
 TECHALLOY COMPANY, INC.
 ADDRESS
 OLSON AND JEFFERSON ROADS
 UNION IL 60180
 FACILITY
 TECHALLOY COMPANY, INC.
 LOCATION
 UNION IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
 PERMIT NUMBER

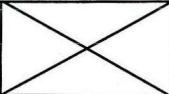
001 0
 DISCHARGE NUMBER

Minor
 02

MONITORING PERIOD
 MO - DAY - YEAR
 FROM 01-01-2007 TO 01-31-2007

TREATED GROUNDWAER
 EFFLUENT

*** No Discharge ☐ ***

PARAMETER				QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.8	*****	7.8	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.832	.832	(03) MGD	*****	*****	*****		00	99/99	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****		0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results for the month of January are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	02-09-2007
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

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10 January 2007

Ms. Bhooma Sundar
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Re: Central Wire, Union, Illinois Site Progress Report for December 2006

Dear Ms. Sundar:

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If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: Gerald W. Ruopp, Central Wire
Henry Lopes, Central Wire
Scott Carr, Central Wire
Steve Hughes, Central Wire
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
1 December through 31 December 2006

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. Techalloy has completed the groundwater modeling of the Techalloy extraction wells and the Central Sod irrigation well. The summary of the results indicates that the existing Techalloy extraction wells are capturing the existing groundwater plume. Because of the seasonal pumping of the Central Sod well and time required to capture the downgradient plume, the effect of the irrigation well is potentially marginal. For this reason, having Central Sod install an additional irrigation well to capture and control the low concentrations of the groundwater plume may actually be more harmful to controlling the capture of the groundwater plume. Techalloy is now conducting additional modeling to evaluate migration distance of the contaminants and the degradation of the contaminants. By evaluating the rate of migration and degradation, Techalloy can assess the distance downgradient the contaminants will migrate and if they will impact the downgradient residential wells.

Techalloy also conducted the semiannual groundwater sampling of all the monitoring wells and selected residential wells (attached).
2. **Summary of Validated Data and Results** – Validation and tabulation of the semiannual groundwater sampling is to be conducted next reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Techalloy will be conducting an investigation of the area downgradient of the three-well cluster to determine the current concentrations and evaluate the feasibility of relying on Monitored Natural Attenuation for the edge of the groundwater plume.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The Techalloy Company has as of the beginning of this year 2007, changed the name of the company to **Central Wire**. The email addresses have been changed to @centralwire.com. The email format of the name remained the same. David Williams is no longer with the company. Gerald W. Ruopp is now the General Manager.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 12-01-2006 TO 12-31-2006

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.88	*****	7.88	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	01	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.848	.848	(03) MGD	*****	*****	*****		00	01/01	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

Results of December, 2006 are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	01-08-2007
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	MO - DAY - YEAR

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Sampling
Volatile Organic Compound Results

		Monitoring Location		MW-2										MW-4										MW-5									
		Sampling Date:		J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06			
Parameter	Method	Units	MCL																														
Vinyl Chloride	8260B	µg/L	2							-	-	-	-							-	-							-	-	-			
Chloroethane	8260B	µg/L	---	-	2.1	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1,1-Dichloroethene	8260B	µg/L	7	26	-	-	2.4	-	-	-	1.16	-	-	7J	2.3	-	-	-	-	-	-	230	12	5	1.8	-	-	-	1.64	-			
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
total 1,2-Dichloroethene	8260B	µg/L	170	58	16	16	9.8	3.5	2.3	-	4.31	-	-	16	3	-	-	-	-	-	5.4	70	4.4	-	-	-	-	-	-	-			
1,1-Dichloroethane	8260B	µg/L	800**	65	43	20	10	5.2	4.3	1.9	5.21	-	10	32	27	21	7.7	5.8	1.6	2.6	1.3	59	11	-	-	-	-	-	-	-			
1,1,1-Trichloroethane	8260B	µg/L	200	510	59	88	99	20	7.7	3.3	21.8	6.5	8.8	120	94	59	50	43	-	19	-	4000	300	360	330	150	160	120	93.2	78			
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Trichloroethene	8260B	µg/L	5	23	8.2	9.5	9.9	2.5	1.4	-	3.05	-	1.8	38	8.1	5.4	4.6	6.9	-	4.9	-	150	5	10	7.5	4.7	5.1	4.9	4.63	4.7			
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-			
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	12	1.2	-	-	-	-	-	-	-			
Tetrachloroethene	8260B	µg/L	5	42	57	39	65	19	15	10	22.3	39	29	130	88	55	46	53	47	37	1.0	620	94	190	210	170	190	190	133	120			
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

		Monitoring Location		MW-2										MW-4								MW-5								
		Sampling Date:		J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06
Parameter	Method	Units	MCL																											
Mercury	7470A	µg/L	2	*	-	-	-	*	-	-	-	*	*	*	-	-	0.520	*	-	-	*	*	-	-	*	-	-	-	*	
Arsenic	6010B	mg/L	0.01	-	-	-	-	*	-	-	-	-	-	-	-	-	0.018	*	-	-	-	-	-	-	*	-	-	0.0284	-	
Barium	6010B	mg/L	2	0.025	0.037	0.027	0.045	*	0.028	0.036	0.0152	0.02	0.01	0.078	0.050	0.035	0.170	*	0.032	0.046	0.012	0.039	0.049	0.045	0.13	*	0.037	0.035	0.035	0.0026
Cadmium	6010B	mg/L	0.005	-	-	-	-	*	-	-	-	-	-	-	-	-	0.005	*	-	-	-	-	-	-	*	-	-	-	-	-
Chromium	6010B	mg/L	0.1	-	0.040	1.100	0.610	*	-	-	0.0813	-	0.022	0.015	0.240	0.150	0.670	*	0.160	0.130	0.0023	-	0.017	-	-	*	-	-	-	-
Lead	6010B	mg/L	0.015	0.037	0.040	-	-	*	-	-	0.011 J	-	-	0.011	0.011	-	0.730	*	-	0.015	0.0023	-	-	-	-	*	-	-	-	-
Selenium	6010B	mg/L	0.05	-	-	-	-	*	-	-	0.020 J	-	0.0013	-	-	-	-	*	0.024	0.001	-	-	-	-	-	*	-	-	0.025 J	-
Silver	6010B	mg/L	---	-	-	-	-	*	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	*	-	-	0.0021 J	-

Key: J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Sampling
Volatile Organic Compound Results

		Monitoring Location	
		Sampling Date: D-06	
Parameter	Method	Units	MCL
Vinyl Chloride	8260B	µg/L	2
Chloroethane	8260B	µg/L	---
1,1-Dichloroethene	8260B	µg/L	7
Methylene chloride	8260B	µg/L	---
total 1,2-Dichloroethene	8260B	µg/L	170
1,1-Dichloroethane	8260B	µg/L	800**
1,1,1-Trichloroethane	8260B	µg/L	200
1,2-Dichloroethane	8260B	µg/L	5
Trichloroethene	8260B	µg/L	5
Toluene	8260B	µg/L	1000
1,1,2-Trichloroethane	8260B	µg/L	5
Tetrachloroethene	8260B	µg/L	5
total Xylenes (m,o, & p)	8260B	µg/L	10,000

		Monitoring Location	
		Sampling Date: D-06	
Parameter	Method	Units	MCL
Mercury	7470A	µg/L	2
Arsenic	6010B	mg/L	0.01
Barium	6010B	mg/L	2
Cadmium	6010B	mg/L	0.005
Chromium	6010B	mg/L	0.1
Lead	6010B	mg/L	0.015
Selenium	6010B	mg/L	0.05
Silver	6010B	mg/L	---

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Sampling
Volatile Organic Compound Results

		Monitoring Location		MW-5D										MW-6										MW-7									
		Sampling Date:		J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05		
Parameter	Method	Units	MCL																														
Vinyl Chloride	8260B	µg/L	2							-	-	-	-							-	-	-	-							-	-		
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6.2	-	-	-	-	-	-		
1,1-Dichloroethene	8260B	µg/L	7	-	-	1.3	1.4	1.2	-	1.1	1.64	-	-	-	-	-	-	-	-	-	-	-	-	130	22	11	5.5	2.3	1.9	-	1.45		
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6J	-	-	-	-	-	-	-		
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	13	-	-	-	-	-	-		
1,1-Dichloroethane	8260B	µg/L	800**	-	1.8	2.4	2.6	2.6	1.9	2.3	3.45	2.2	2.1	-	-	-	-	-	-	-	-	-	-	140	70	-	-	2.4	2.1	1.9	-		
1,1,1-Trichloroethane	8260B	µg/L	200	120	24	50	48	3.7	-	32	40.4	23	29	10	-	-	1.1	-	-	-	-	-	-	830	440	840	630	270	210	-	118		
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2J	-	10	-	-	-	-	-		
Trichloroethene	8260B	µg/L	5		32	63	52	51	-	-	47.5	27	30			-	-	-	-	-	-	-	-	64	33	63	56	34	19	15	16		
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1,1,2-Trichloroethane	8260B	µg/L	5	110	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	-	-	1.1	-	-	-		
Tetrachloroethene	8260B	µg/L	5			-	-	-	42	49	-	-	1.2	36	14	10	12	9.6	9.1	9.4	9.91	7.0	7.8	150	84	140	200	160	180	140	140		
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

				MW-5D										MW-6										MW-7							
Monitoring Location				J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05
Parameter	Method	Units	MCL																												
Mercury	7470A	µg/L	2	*	-	-	-	*	-	-	-	*	*	*	-	-	-	*	-	-	-	*	*	*	-	-	-	*	-	-	0.0002J
Arsenic	6010B	mg/L	0.01	-	-	-	-	*	-	-	0.018 J	-	-	-	-	-	-	*	-	-	0.033	-	-	0.016	-	-	-	*	-	-	-
Barium	6010B	mg/L	2	0.058	0.11	0.034	0.075	*	0.065	0.054	-	0.067	0.073	0.091	0.080	0.076	0.083	*	0.073	0.072	0.088	0.064	0.072	0.077	0.050	0.061	0.049	*	0.049	0.048	0.063
Cadmium	6010B	mg/L	0.005	-	-	-	-	*	-	-	-	-	-	-	0.003	-	-	*	-	-	-	-	-	-	0.003	-	-	-	*	-	-
Chromium	6010B	mg/L	0.1	-	0.01	-	-	*	-	-	-	0.023	0.023	-	-	-	-	*	-	-	-	-	-	-	0.012	-	-	*	-	-	-
Lead	6010B	mg/L	0.015	-	0.007	-	-	*	-	-	-	-	-	-	0.430	0.097	0.047	*	-	0.010	0.0074 J	0.016	0.0034	0.009	0.280	0.051	-	*	-	0.009	0.019 J
Selenium	6010B	mg/L	0.05	-	-	-	-	*	0.015	-	0.031 J	-	-	-	-	-	-	*	0.013	-	0.042 J	-	-	-	-	-	-	*	-	-	0.033 J
Silver	6010B	mg/L	---	-	-	-	-	*	-	-	-	-	-	-	-	-	-	*	-	-	-	-	-	-	-	-	-	*	-	-	-

Key: J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)

D-06

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Sampling
Volatile Organic Compound Results

		Monitoring Location				MW-8										MW-9									
		Sampling Date:		Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL																						
Vinyl Chloride	8260B	µg/L	2	-	-							-	-	-	-							-	-	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	*	*	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	8260B	µg/L	---	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	1.9	*	*	12	4.1	2.1	7.39	4.6	6.5	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	8260B	µg/L	800**	1.2	-	5J	3.9	*	*	20	7.6	5.6	14.3	7.9	9.3	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	8260B	µg/L	200	77	86	22	29	*	*	34	24	13	23.1	31	42	-	3.5	-	-	-	-	-	-	-	-
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	8260B	µg/L	5	10	9	34	21	*	*	16	23	18	11.6	27	20	-	1.5	-	-	-	-	-	-	-	-
Toluene	8260B	µg/L	1000	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	150	200	110	190	*	*	150	200	180	135	150	180	-	12	-	-	-	-	-	-	-	1.5
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	*	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location				MW-8										MW-9									
		Sampling Date:		Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL																						
Mercury	7470A	µg/L	2	*	*	*	-	*	*	*	-	-	0.0002J	*	*	*	-	-	-	*	-	-	-	*	*
Arsenic	6010B	mg/L	0.01	-	-	-	-	*	*	*	-	-	-	-	-	*	-	-	-	*	-	-	-	-	-
Barium	6010B	mg/L	2	0.037	0.049	0.044	0.062	*	*	*	0.047	0.071	0.038	0.037	0.051	*	0.029	0.036	0.038	*	0.024	0.036	0.034	0.041	53
Cadmium	6010B	mg/L	0.005	-	-	-	-	*	*	*	-	-	-	-	-	*	-	-	-	*	-	-	-	-	-
Chromium	6010B	mg/L	0.1	0.0021	0.0035	-	-	*	*	*	-	-	-	0.023	0.013	*	-	-	-	*	-	-	-	-	-
Lead	6010B	mg/L	0.015	0.0018	0.003	0.003	0.035	*	*	*	-	-	0.013 J	0.0041	0.0	*	0.072	0.023	-	*	-	-	0.023 J	0.0023	-
Selenium	6010B	mg/L	0.05	0.0010	-	-	-	*	*	*	-	-	0.015 J	-	-	*	-	-	-	*	-	-	0.016 J	-	-
Silver	6010B	mg/L	---	-	-	-	-	*	*	*	-	-	-	-	-	*	-	-	-	*	-	-	-	-	-

Key: J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Sampling
Volatile Organic Compound Results

		Monitoring Location												Non-responsive												Non-responsive				SLAIS	Non-responsive			Non-responsive		OW-100
		Sampling Date:		J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	Jn-05	Jn-06	Jn-06	D-06	Jn-06	D-06	Jn-06	D-06	Jn-05							
Parameter	Method	Units	MCL																																	
Vinyl Chloride	8260B	µg/L	2							-	-	-	-							-	-	-	-	-	-	-	-	-	-							
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							
1,1-Dichloroethene	8260B	µg/L	7 140	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							
total 1,2-Dichloroethene	8260B	µg/L	170 18	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							
1,1-Dichloroethane	8260B	µg/L	800** 21	-	-	-	-	-	-	17	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	0.90(*)							
1,1,1-Trichloroethane	8260B	µg/L	200 1900	45	37	49	15	20	-	13.6	6.8	6.9	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	20							
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	1.9	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							
Trichloroethene	8260B	µg/L	5 16	2	2.5	3.4	1.5	-	1.4	1.8	1.6	1.3	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	-							
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							
Tetrachloroethene	8260B	µg/L	5 120	73	85	130	65	78	73	61.1	58	70	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-	7.1							
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	*	-	-	*	-	*	-	-	-	-	-	-	-	-	-	-							

		Monitoring Location											Non-responsive										Non-responsive	Non-responsive			Non-responsive		OW-100
		Sampling Date:		J-95	A-02	J-03	D-03	J-04	J-05	Jn-05	D-05	Jn-06	D-06	Jn-05	A-02	J-03	D-03	J-04	J-05	Jn-05	Jn-05	Jn-06	Jn-06	D-06	Jn-06	D-06	Jn-05		
Parameter	Method	Units	MCL																										
Mercury	7470A	µg/L	2	*	-	-	-	*	-	-	-	*	*	-	*	*	*	*	*	*	*	*	*	*	*	*	-		
Arsenic	6010B	mg/L	0.01	*	0.011	-	-	*	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	-		
Barium	6010B	mg/L	2	*	0.054	0.018	0.020	*	0.018	0.015	0.019	0.018	0.017	0.017	*	*	*	*	*	*	*	*	*	*	*	*	0.044		
Cadmium	6010B	mg/L	0.005	*	-	-	-	*	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	-		
Chromium	6010B	mg/L	0.1	*	0.017	-	-	*	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	0.12		
Lead	6010B	mg/L	0.015	*	0.021	-	-	*	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	-		
Selenium	6010B	mg/L	0.05	*	-	-	-	*	-	-	0.026J	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	-		
Silver	6010B	mg/L	---	*	-	-	-	*	-	-	-	-	-	-	*	*	*	*	*	*	*	*	*	*	*	*	-		

Key: J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)

Table 1
Central Wire Company Union, Illinois
June 2006 Groundwater Sampling
Volatile Organic Compound Results

		Monitoring Location		Downgradient S						Downgradient I						Downgradient D					
		Sampling Date:		F-98	A-02	Jn -05	Jn -05	Jn-06	D-06	F-98	A-02	Jn-05	D-05	Jn-06	D-06	F-98	A-02	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL																		
Vinyl Chloride	8260B	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1.4	1.27	-	-
Chloroethane	8260B	µg/L	---	-	-	-	-	-	-	-	120	-	-	-	-	1	-	2.6	1.78	2.8	-
1,1-Dichloroethene	8260B	µg/L	7	-	-	-	-	-	-	6	21	26	13.6	6.9	4.6	4	24	88	98.4	93	68
Methylene chloride	8260B	µg/L	---	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
total 1,2-Dichloroethene	8260B	µg/L	170	-	-	-	-	-	-	-	-	3.5	3.43	1.4	-	-	-	38.5	51.1	49.1	-
1,1-Dichloroethane	8260B	µg/L	800**	-	-	-	-	-	-	1	45	17	18.4	15	18	2	100	190	269	270	330
1,1,1-Trichloroethane	8260B	µg/L	200	-	1.2	2.2	1.39	1.2	1.3	-	83	140	47.2	22	18	-	1	4.1	12.6	-	12
1,2-Dichloroethane	8260B	µg/L	5	-	-	-	-	-	-	0.6	150	-	18.4	-	-	2	37.6	-	2.54	2.6	2.5
Trichloroethene	8260B	µg/L	5	0.6	-	1	-	-	1.0	4	9 J	31	21.6	12	9.7	-	-	2.5	7.46	5.5	6.2
Toluene	8260B	µg/L	1000	-	-	-	-	-	-	-	-	-	1.21	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	8260B	µg/L	5	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	8260B	µg/L	5	-	1.9	-	-	-	-	-	47	-	-	-	-	-	1.4	-	-	-	-
total Xylenes (m,o, & p)	8260B	µg/L	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Monitoring Location		Downgradient 1 S						Downgradient 1 I						Downgradient D					
		Sampling Date:		F-98	A-02	Jn-05	Jn-05	Jn-06	D-06	F-98	A-02	Jn-05	Jn-05	Jn-06	D-06	F-98	A-02	Jn-05	D-05	Jn-06	D-06
Parameter	Method	Units	MCL																		
Mercury	7470A	µg/L	2	*	*	-	-	*	*	*	*	-	0.0003 J	*	*	*	*	-	-	*	*
Arsenic	6010B	mg/L	0.01	*	*	0.024	0.011 J	-	-	*	*	0.021	0.021	-	-	*	*	-	-	-	-
Barium	6010B	mg/L	2	*	*	-	0.026	0.023	0.028	*	*	-	0.0233	0.022	0.023	*	*	0.1	0.087	0.079	0.071
Cadmium	6010B	mg/L	0.005	*	*	-	-	-	-	*	*	-	-	-	-	*	*	-	-	-	-
Chromium	6010B	mg/L	0.1	*	*	-	-	-	-	*	*	-	-	-	-	*	*	-	-	0.001	0.0011
Lead	6010B	mg/L	0.015	*	*	-	-	-	-	*	*	-	-	-	-	*	*	-	-	-	-
Selenium	6010B	mg/L	0.05	*	*	-	0.026 J	-	-	*	*	-	0.027 J	0.001	-	*	*	-	0.027 J	-	-
Silver	6010B	mg/L	---	*	*	-	-	-	-	*	*	-	-	-	-	*	*	-	-	-	-

Key: J = Parameter detected below quantitation detection limit
- Not Detected
* Not Analyzed
** Region 9 Preliminary Remediation Goal
IMW Interior monitoring well (inside Techalloy fence)

**Matrix Environmental, Inc.**

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 October 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for September 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of September 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

PERMIT NAME/ADDRESS

NAME
TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

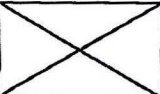
Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 09-01-2006 TO 09-30-2006

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	NA	NA		7.9	NA	7.9	(12) SU	00	01/30	GR
00400 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	NA		NA	6.0 MO MIN	NA		9.0 MO MAX	ONCE/MONTH	GRAB
NO DATA: CODE		DESCRIPTION									
COMMENTS:											
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT	NA	NA	(26) LBS/DY	NA	NA	.0001	(19) MG/L	00	01/30	GR
34506 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	NA		NA	NA	NA		0.02 DAILY MX	ONCE/MONTH	GRAB
NO DATA: CODE		DESCRIPTION									
COMMENTS:											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.882	.882	(03) MGD	NA	NA	NA		00	01/01	CN
50050 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	REPORT MO AVG		REPORT DAILY MX	NA	NA		NA	DAILY	ESTIMA
NO DATA: CODE		DESCRIPTION									
COMMENTS:											
TETRACHLOROETHENE	SAMPLE MEASUREMENT	NA	NA	(26) LBS/DY	NA	NA	.0001	(19) MG/L	00	01/30	GR
78389 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	NA		NA	NA	NA		0.02 DAILY MX	ONCE/MONTH	GRAB
NO DATA: CODE		DESCRIPTION									
COMMENTS:											

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE 78391 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
	PERMIT REQUIREMENT						0.02 DAILY MAX				GRAB
NO DATA: CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

The system was repaired and started in the beginning of September. Results from September are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE	DATE	
Scott Carr, Environmental Coordinator		Scott C Carr	(815) 923-2131	10-11-2006
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	MO - DAY - YEAR

MONTHLY PROGRESS REPORT
Techalloy Site
1 September through 30 September 2006

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The U.S. EPA is concerned that Techalloy is not controlling the contaminant plume and has requested that Techalloy regain this control. Techalloy is currently conducting modeling to evaluate the groundwater migration. Techalloy is also conducting groundwater sampling and discussing well installation options with Central Sod.
2. **Summary of Validated Data and Results** – No validation is being performed this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Techalloy is determining other options to gain control of the groundwater plume, including Central Sod's involvement.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 September 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for August 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of August 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site

1 August through 31 August 2006

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data has demonstrated that the groundwater in the area of the sparging system has been remediated. The U.S. EPA has verbally instructed Techalloy that the sparging system could be shut off, but that the soil vapor extraction system needed to continue operations. Techalloy will shortly stop operation of the sparging system, but as of now continues to operate the system.

A meeting at the U.S. EPA office was held to discuss the current situation of the groundwater plume emanating from the Techalloy property. The U.S. EPA discussed the four factors that they are looking to achieve with Corrective Action. The U.S. EPA is concerned that Techalloy does not control containment of the contaminant plume and has requested that Techalloy regain this control. The U.S. EPA understands that this loss of control is of no fault of Techalloy and the U.S. EPA is willing to work with Techalloy, but admits that they have no legal recourse with either Central Sod or McHenry County. The last item discussed was the shutting down of the sparging system which continues to vent. The U.S. EPA Project Manager indicated that she would be further discussing this issue.

2. **Summary of Validated Data and Results** – Last month validation of the second round of the semi-annual groundwater sampling was conducted.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Techalloy is determining other options to gain control of the groundwater plume, including Central Sod's involvement.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

**Matrix Environmental, Inc.**

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

Fax

To: BHOOMA SUNDAR From: SHIRLEY/CARLOS SERNA
Organization: U.S. EPA Pages: 3
Fax Number: _____ Date: 9/12/06
Re: _____ Time: _____

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Comments:

BHOOMA,
HERE IS THE DMR TO GO
WITH THE MONTHLY REPORT I SENT
YESTERDAY

PERMIT NAME/ADDRESS

TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

0010
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 08-01-2006 TO 08-31-2006

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	7.5	7.5		7.5	7.5	(12) SU	00	01/30	GR	
00400 1		PERMIT REQUIREMENT	6.0 MG MIN		9.0 MG MAX	ONCE MONTHLY		GRAB			
EFFLUENT GROSS VALUE											
NO DATA: CODE		DESCRIPTION									
COMMENTS:											
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT	.0001	.0001	(26) LBS/DY	.0001	.0001	(19) MG/L	00	01/30	GR	
34506 1		PERMIT REQUIREMENT	0.02 DAILY MX		ONCE MONTHLY	GRAB					
EFFLUENT GROSS VALUE											
NO DATA: CODE		DESCRIPTION									
COMMENTS:											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.453	.453	(03) MGD	.453	.453		00	98/99	CN	
50050 1		PERMIT REQUIREMENT	REPORT MO AVG		REPORT DAILY MX	DAILY		ESTIMATE			
EFFLUENT GROSS VALUE											
NO DATA: CODE		DESCRIPTION									
COMMENTS:											
TETRACHLOROETHENE	SAMPLE MEASUREMENT	.0001	.0001	(26) LBS/DY	.0001	.0001	(19) MG/L	00	01/30	GR	
78389 1		PERMIT REQUIREMENT	0.02 DAILY MX		ONCE MONTHLY	GRAB					
EFFLUENT GROSS VALUE											
NO DATA: CODE		DESCRIPTION									
COMMENTS:											

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE 78391 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
	PERMIT REQUIREMENT						0.02 DAILY MX				GRAB
NO DATA: CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

The system was down for maintenance two days in the month of August and was hit by lightning the 25th of August parts are ordered and will be running in beginning of Sept. All results for August are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 August 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for July 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of July 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munic, IEPA

MONTHLY PROGRESS REPORT**Techalloy Site****1 July through 31 July 2006**

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data has demonstrated that the groundwater in the area of the sparging system has been remediated. The U.S. EPA has verbally instructed Techalloy that the sparging system could be shut off, but that the soil vapor extraction system needed to continue operations. Techalloy will shortly stop operation of the sparging system, but as of now continues to operate the system.

Last month Techalloy conducted the semi-annual groundwater sampling event. In addition to sampling the required monitoring wells, Techalloy also sampled selected residential wells, Central Sod's wells, additional on-site wells, and the downgradient well cluster. This expanded groundwater sampling was conducted to evaluate the current groundwater plume concentrations and to evaluate the effect that Central Sod has had on the aquifer by irrigation operations.

The results indicated that the residential wells and the Central Sod wells were not impacted with chlorinated solvents, but that the downgradient well cluster continued to be impacted with chlorinated solvent constituents identified in the intermediate and deep portions of the aquifer. The additional sampled wells in the interior of the fenced area of the Techalloy property were non-detect for chlorinated solvent constituents. The data was reported to the U.S. EPA.

2. **Summary of Validated Data and Results** – Last month validation of the second round of the semi-annual groundwater sampling was conducted.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. A meeting with the U.S. EPA will be conducted next month to discuss the downgradient concentrations and the groundwater extractions caused by Central Sod.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME
TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

0010
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 07-01-2006 TO 07-31-2006

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH					7.6		7.6		00	01/30	GR
00400 1	SAMPLE MEASUREMENT							(12) SU			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				6.0 MG MIN		9.0 MG MAX				GRAB
NO DATA: CODE	DESCRIPTION										
COMMENTS:											
1,1,1-TRICHLOROETHANE							.0001		00	01/30	GR
34506 1	SAMPLE MEASUREMENT			(26) LBS/DY				(19) MG/L			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT						0.02 DAILY MX			ONCE MONTH	GRAB
NO DATA: CODE	DESCRIPTION										
COMMENTS:											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		.754	.754	(03) MGD					00	01/01	CN
50050 1	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX							DAILY	ESTIMA
NO DATA: CODE	DESCRIPTION										
COMMENTS:											
TETRACHLOROETHENE				(26) LBS/DY			.0001	(19) MG/L	00	01/30	GR
78389 1	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT						0.02 DAILY MX			ONCE MONTH	GRAB
NO DATA: CODE	DESCRIPTION										
COMMENTS:											

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/00	GR
78391 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT							0.02 DAILY MAX			GRAB
NO DATA: CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

System was shut down 3 days in July for Maintenance. Results for July are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	08-09-2006
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 April 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for March 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of March 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 March through 31 March 2006

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data that was collected last year was reevaluated and resubmitted to Techalloy for review. This performance data was submitted to the U.S. EPA for review this reporting period by Techalloy. This performance review demonstrates that the groundwater has been remediated and that soil in areas still need soil vapor extraction treatment.
2. **Summary of Validated Data and Results** – No samples were collected this reporting period and no validation was needed.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD

FROM MO - DAY - YEAR TO MO - DAY - YEAR
03-01-2006 03-31-2006

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		8.0	*****	8.0	(12) SU	00	01/30	GR
00400 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
34506 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.826	.826	(03) MGD	*****	*****	*****		00	99/99	CN
50050 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE	DESCRIPTION										
COMMENTS:											
TETRACHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78389 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION	
------------------------------------	--

DMR COMMENTS	
Results for March are below reporting limits	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	04-10-2006
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 March 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for February 2006

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of February 2006. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 February through 28 February 2006

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. The performance data that was collected last year was reevaluated and resubmitted to Techalloy for review. This evaluation is to be submitted to the U.S. EPA once reviewed by Techalloy. This performance review demonstrates that the groundwater has been remediated and that soil in areas still need soil vapor extraction treatment.
2. **Summary of Validated Data and Results** – No samples were collected this reporting period and no validation was needed.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. The performance evaluation data is to be submitted to the U.S. EPA in early March 2006.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408

PERMIT NUMBER

001 0

DISCHARGE NUMBER

Minor

02

MONITORING PERIOD

MO - DAY - YEAR

02-01-2006

MO - DAY - YEAR

02-28-2006

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.9	*****	7.9	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.780	.780	(03) MGD	*****	*****	*****		00	99/99	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA: CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION	
------------------------------------	--

DMR COMMENTS	
February Results are below reporting limits	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	03-01-2006
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 January 2006

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for December 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of December 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 December through 31 December 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This month the sampling and analysis of the monitoring wells downgradient of the contaminant plume were conducted.
2. **Summary of Validated Data and Results** – The groundwater data was collected this month and will be validated in January 2006 prior to preparation of the groundwater report.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. The second semi-annual groundwater sampling data is to be analyzed and submitted to Techalloy. Techalloy will then prepare a report summarizing the results and submit the report to the U.S. EPA.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION IL 60180

FACILITY
TECHALLOY COMPANY, INC.
LOCATION
UNION IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

IL0070408	001 0
PERMIT NUMBER	DISCHARGE NUMBER

Minor
02

MONITORING PERIOD	
MO - DAY - YEAR	MO - DAY - YEAR
FROM 12-01-2005	TO 12-31-2005

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		8.2	*****	8.2	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.848	.848	(03) MGD	*****	*****	*****		00	99/99	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION	
------------------------------------	--

DMR COMMENTS	
December results are below reporting limit	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	12-30-2005
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

9 December 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for November 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of November 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 November through 30 November 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.
2. **Summary of Validated Data and Results** – There was no validation required this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Techalloy will be sampling groundwater in December 2005.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408

PERMIT NUMBER

001 0

DISCHARGE NUMBER

Minor

02

MONITORING PERIOD

MO - DAY - YEAR

11-01-2005

MO - DAY - YEAR

11-30-2005

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		8.1	*****	8.1	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.852	.852	(03) MGD	*****	*****	*****		00	01/01	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION	
------------------------------------	--

DMR COMMENTS	
All results for November are below reporting limits	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	12-02-2005
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

9 November 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for October 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of October 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site

1 October through 31 October 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.
2. **Summary of Validated Data and Results** – There was no validation required this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Techalloy will be sampling groundwater in December 2005.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS
NAME

TECHALLOY COMPANY, INC.

ADDRESS

OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408

PERMIT NUMBER

001 0

DISCHARGE NUMBER

Minor
02

MONITORING PERIOD

MO - DAY - YEAR

10-01-2005

MO - DAY - YEAR

10-31-2005

FROM

TO

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		8.1	*****	8.1	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.737	.737	(03) MGD	*****	*****	*****		00	01/01	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX		ONCE/MONTH	GRAB	
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION	
------------------------------------	--

DMR COMMENTS	
October Results are below reporting limits	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	11-01-2005
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 October 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for September 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of September 2005. Also, enclosed are the effluent analytical results for this month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 September through 30 September 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.
2. **Summary of Validated Data and Results** – There was no validation required this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Techalloy will be sampling groundwater in December 2005.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS

TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 09-01-2005 TO 09-30-2005

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.9	*****	7.9	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.786	.786	(03) MGD	*****	*****	*****		00	99/99	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION	
------------------------------------	--

DMR COMMENTS	
Results for the month of September are below reporting limits	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	09-30-2005
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

9 September 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for August 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of August 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site

1 August through 31 August 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan.

Techalloy completed the semi-annual groundwater sampling in June 2005 and a letter report was provided to the U.S. EPA this reporting period. The report presented the results and a comparison of the current results to historical detections.

2. **Summary of Validated Data and Results** – There is no validation required this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS
TECHALLOY COMPANY, INC.
ADDRESS
OLSON AND JEFFERSON ROADS
UNION IL 60180
FACILITY
TECHALLOY COMPANY, INC.
LOCATION
UNION IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 08-01-2005 TO 08-31-2005

TREATED GROUNDWAER
EFFLUENT
*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		8.0	*****	8.0	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.789	.789	(03) MGD	*****	*****	*****		00	01/01	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS
Analytical for August are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	09-08-2005
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 August 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for July 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of July 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site

1 July through 31 July 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal.

Techalloy completed the semi-annual groundwater sampling in June 2005 and during this reporting month data has been analyzed, validated, tabulated and interpreted. A letter report presenting the results was also prepared and is to be submitted in August. Preliminary results indicated that constituents continue to decrease. The letter report will provide more detail and a comparison provided of current results to historical detections.

2. **Summary of Validated Data and Results** – Semi-annual groundwater sampling was validated this reporting period. This information will be included in the August report.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – The Matrix Environmental, Inc. address has been changed to 1880 W. Winchester Rd., Suite 111, Libertyville, IL 60048. All other information pertaining to the company, such as phone number remains the same. There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS
NAME

TECHALLOY COMPANY, INC.

ADDRESS

 OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY

TECHALLOY COMPANY, INC.

LOCATION

UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408

PERMIT NUMBER

001 0

DISCHARGE NUMBER

Minor

02

MONITORING PERIOD

MO - DAY - YEAR

07-01-2005

MO - DAY - YEAR

07-31-2005

 TREATED GROUNDWAER
EFFLUENT

***** No Discharge ☐ *****

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.8	*****	7.8	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX		ONCE/MONTH	GRAB	
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX		ONCE/MONTH	GRAB	
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.793	.793	(03) MGD	*****	*****	*****		00	01/01	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****		DAILY	ESTIMA	
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX		ONCE/MONTH	GRAB	
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

July analytical reports are below reporting limits

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	08-08-2005
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER



Matrix Environmental, Inc.

1880 W. Winchester Rd., Suite 111

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

6 July 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for June 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of June 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Joyce Munie, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site

1 June through 30 June 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal. Techalloy has prepared and submitted the extraction system NPDES permit renewal application to the Illinois EPA during June 2005.
2. **Summary of Validated Data and Results** – Semi-annual groundwater sampling took place during the month of June. However, no data was available for validation this reporting period. This information will be included in the July report.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME
TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD			
MO - DAY - YEAR		MO - DAY - YEAR	
FROM	06-01-2005	TO	06-30-2005

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		8.0	*****	8.0	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.783	.783	(03) MGD	*****	*****	*****		00	01/01	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	*****	*****		0.02 DAILY MX	ONCE/MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	07-07-2005
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

357 Milwaukee Ave. Suite A
Libertyville, Illinois 60048
Phone: 847-367-6835
Fax: 847-367-6845

9 June 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for May 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of May 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Kevin Lesko, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site

1 May through 31 May 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal. The extraction system NPDES permit will be renewed this year and Techalloy will be preparing the application and submitting all appropriate permits for renewal.
2. **Summary of Validated Data and Results** – No data was available for validation this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. Next month groundwater sampling is planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS

TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 05-01-2005 TO 05-31-2005

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.7	*****	7.7	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.843	.843	(03) MGD	*****	*****	*****		00	99/99	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE	DESCRIPTION										
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

DMR COMMENTS

All results for May are below reporting limits.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	06-09-2005
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER



Matrix Environmental, Inc.

357 Milwaukee Ave. Suite A
Libertyville, Illinois 60048
Phone: 847-367-6835
Fax: 847-367-6845

10 May 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for April 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of April 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Kevin Lesko, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 April through 30 April 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that will require renewal. The extraction system NPDES permit will be renewed this year and Techalloy will be preparing the application and submitting all appropriate permits for renewal.
2. **Summary of Validated Data and Results** – No data was available for validation this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME ADDRESS

TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408

PERMIT NUMBER

001 0

DISCHARGE NUMBER

Minor
02

MONITORING PERIOD

MO - DAY - YEAR

04-01-2005

MO - DAY - YEAR

04-30-2005

FROM

TO

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER			<div></div>	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
				AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****		7.9	*****	7.9	(12) SU	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		6.0 MO MIN	*****	9.0 MO MAX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
1,1,1-TRICHLOROETHANE 34506 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	.865	.865	(03) MGD	*****	*****	*****		00	99/99	CN
			PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX		*****	*****	*****			DAILY	ESTIMA
NO DATA : CODE			DESCRIPTION										
COMMENTS:													
TETRACHLOROETHENE 78389 1 EFFLUENT GROSS VALUE			SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
			PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE			DESCRIPTION										
COMMENTS:													

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	*****	*****		0.02 DAILY MX		ONCE/MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Scott Carr, Environmental Coordinator TYPED OR PRINTED			(815) 923-2131	05-10-2005
				AREA CODE NUMBER



Matrix Environmental, Inc.

357 Milwaukee Ave. Suite A
Libertyville, Illinois 60048
Phone: 847-367-6835
Fax: 847-367-6845

10 April 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for March 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of March 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Kevin Lesko, IEPA

MONTHLY PROGRESS REPORT

Techalloy Site

1 March through 31 March 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. The sparging and venting systems are operational and the groundwater extraction system is operating according to plan. This year there are permits that need to be renewed. The extraction system NPDES permit will be renewed this year and Techalloy will be preparing the application and submitting all appropriate permits for renewal.
2. **Summary of Validated Data and Results** – No data was available for validation this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

9:43 No. 001 P. 01
 Apr 07 05
 TEL: 815-923-2034
 TECHALLOY MAINT.

PERMITTEE NAME ADDRESS
 NAME
 TECHALLOY COMPANY, INC.
 ADDRESS
 OLSON AND JEFFERSON ROADS
 UNION
 IL 60180
 FACILITY
 TECHALLOY COMPANY, INC.
 LOCATION
 UNION
 IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

IL0070408
 PERMIT NUMBER


0010
 DISCHARGE NUMBER

Minor
 02

MONITORING PERIOD
 MO - DAY - YEAR
 FROM 03-01-2005 TO 03-31-2005

TREATED GROUNDWAER
 EFFLUENT

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	.....	.....		8.0	.....	8.0	(12) SU	00	01/30	DA
00400 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		6.0 MO MIN	9.0 MO MAX				ONCE MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT	.....	.....	(26) LBS/DY	.....	.....	.0001	(19) MG/L	00	01/30	GR
34506 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.02 DAILY MX				ONCE MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.853	.853	(03) MGD	.....	.....	.....		00	01/31	CN
50050 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX					DAILY	ESTIMA
NO DATA : CODE		DESCRIPTION									
COMMENTS:											
TETRACHLOROETHENE	SAMPLE MEASUREMENT	.....	.....	(26) LBS/DY	.....	.....	.0001	(19) MG/L	00	01/30	GR
78389 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.02 DAILY MX				ONCE MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											

9:44 No.001 P.02

Apr 07 05

TEL:815-923-2034

TECHALLOY MAINT.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	.....	.....	(26) LBS/DY	.....	.....	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	.....	.....		.....	.....	0.02 DAILY MX		.....	.....	.....
NO DATA: CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	(815) 923-2131	04-02-2005
TYPED OR PRINTED			AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

357 Milwaukee Ave. Suite A
Libertyville, Illinois 60048
Phone: 847-367-6835
Fax: 847-367-6845

10 March 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for February 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of February 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Kevin Lesko, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 February through 28 February 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. Techalloy received the analytical data from the groundwater sampling conducted last month. This data was validated and tabulated and a letter report prepared. The data confirmed the continued decreasing values of chlorinated solvent constituents. The constituents that continue to exceed the MCLs are PCE, trichloroethene (TCE), and 1,1,1 trichloroethane (TCA). These constituents are solvent parent products; however, degradation daughter products are present, but do not exceed applicable standards. Techalloy will continue to monitor the downgradient migration and decreasing concentration trends. A letter report summarizing the data was submitted to the U.S. EPA.
2. **Summary of Validated Data and Results** – The semi-annual groundwater data was validated this reporting period.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS

NAME
TECHALLOY COMPANY, INC.

ADDRESS
OLSON AND JEFFERSON ROADS
UNION

IL 60180

FACILITY
TECHALLOY COMPANY, INC.

LOCATION
UNION

IL 60180

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IL0070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

Minor
02

MONITORING PERIOD
MO - DAY - YEAR
FROM 02-01-2005 TO 02-28-2005

TREATED GROUNDWAER
EFFLUENT

*** No Discharge ☐ ***

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.9	*****	7.9	(12) SU	00	01/30	GR
00400 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	6.0 MO MIN	*****		9.0 MO MAX		ONCE/MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
34506 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	*****	*****		0.02 DAILY MX		ONCE/MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.804	.804	(03) MGD	*****	*****	*****		00	01/01	CN
50050 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	REPORT MO AVG		REPORT DAILY MX	*****	*****		*****		DAILY	ESTIMA
NO DATA : CODE		DESCRIPTION									
COMMENTS:											
TETRACHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78389 1 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****		*****	*****	*****		0.02 DAILY MX		ONCE/MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26) LBS/DY	*****	*****	.0001	(19) MG/L	00	01/30	GR
78391 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		*****	*****	0.02 DAILY MX			ONCE/MONTH	GRAB
NO DATA : CODE		DESCRIPTION									
COMMENTS:											

CONSIDERATIONS FOR FORM COMPLETION

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Scott C Carr	TELEPHONE	DATE
Scott Carr, Environmental Coordinator			(815) 923-2131	03-08-2005
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	MO - DAY - YEAR



Matrix Environmental, Inc.

357 Milwaukee Ave. Suite A

Libertyville, Illinois 60048

Phone: 847-367-6835

Fax: 847-367-6845

10 February 2005

Ms. Bhooma Sundar
U.S. Environmental Protection Agency
Region V
RCRA Enforcement and Compliance Assurance Branch (DE-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Techalloy Site Progress Report for January 2005

Dear Ms. Sundar:

Enclosed please find the Monthly Progress Report for the Techalloy Company located in Union, Illinois for the month of January 2005. Also, enclosed are the effluent analytical results for the month.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (847) 367-6835.

Sincerely,

Carlos J. Serna, P.G.
Matrix Environmental, Inc.

CJS:sk

Attachment

cc: David Williams, Techalloy
Henry Lopes, Techalloy
Scott Carr, Techalloy
Steve Hughes, Techalloy
Kevin Lesko, IEPA

MONTHLY PROGRESS REPORT
Techalloy Site
1 January through 31 January 2005

1. **Progress Made This Reporting Period** – This reporting period Techalloy continued the operation and maintenance of the groundwater extraction system. A performance evaluation of the system's performance has been conducted that indicates that groundwater concentrations have reduced significantly immediately downgradient of the facility and that solvent concentrations in the soil have also significantly declined; however, soil in the immediate area of the solvent evaporation pad still remains elevated, but has also significantly decreased. This report has been submitted to Techalloy. Also this reporting period Techalloy conducted semi-annual groundwater sampling and analysis of the selected monitoring wells.
2. **Summary of Validated Data and Results** – This reporting period no validation of data was conducted.
3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned. The semi-annual groundwater data will be available and a report will be completed in February 2005.
4. **Anticipated Problem Areas and Recommended Solutions** – There are no current or anticipated problem areas to be resolved.
5. **Key Personnel Changes** – There has been no change of key personnel this reporting period.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME **TECHALLOY COMPANY, INC.**
ADDRESS **OLSON AND JEFFERSON ROADS**
UNION IL 60180

FACILITY **TECHALLOY COMPANY, INC.**
LOCATION **UNION IL 60180**

DISCHARGE MONITORING REPORT (DMR)

110070408
PERMIT NUMBER

001 0
DISCHARGE NUMBER

MINOR

(SUBR 02)

F - FINAL

TREATED GROUNDWAER
EFFLUENT

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

MONITORING PERIOD								
YEAR			MO			DAY		
FROM	05	01	01	TO	05	01	31	


PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.9	*****	7.9	(12)	0	285	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.8	*****	9.0	SU			
1,1,1-TRICHLORO-ETHANE	SAMPLE MEASUREMENT	*****	*****	(26)	*****	*****	.0001	(19)	0	285	GR
34506 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	0.02	DAILY			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	.816	.816	(03)	*****	*****	*****		0	105	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	***			
TETRACHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26)	*****	*****	.0001	(19)	0	285	GR
78387 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	0.02	DAILY			
TRICHLOROETHENE	SAMPLE MEASUREMENT	*****	*****	(26)	*****	*****	.0001	(19)	0	285	GR
78391 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****	MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE **PRINCIPAL EXECUTIVE OFFICER**

Scott Carr / Environmental Coordinator

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

815-923-2131

DATE

05 02 11

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Results for the month of January are below reporting limits
Report late due to Electronic filing down